

December 22, 2009

Greg Hicks  
Louisville Metro Public Works and Assets  
444 S. 5<sup>th</sup> Street, Suite 400  
Louisville, KY 40202

Re: **Shelbyville Road Sidewalks  
Fee Proposal – Preliminary and Final Design**

Dear Greg:

We appreciate the opportunity to provide a fee proposal for the surveying and engineering design associated with the referenced drainage and sidewalk project.

Our outlined scope of services is listed below. It is our understanding the sidewalk will be located on the south side of the road and extend from Juneau Drive to the crosswalk opposite the entrance to Eastgate Shopping Center. An existing ditch is located in this area. The preliminary thinking is to pipe the ditch.

Unfortunately, there are documented drainage issues at Middletown Plaza, located west of Juneau Drive, and in the downstream drainage system. Our scope is to verify that construction associated with the sidewalk extension does not exacerbate any drainage problems, and to determine if any improvements can be made that will improve efficiency and capacity of the existing detention at Middletown Plaza and the downstream system.

**Phase I (Preliminary Design)**

- Identify drainage areas with LOJIC mapping.
- Field surveying to determine the elevation sensitive items (inverts) and construction tie-in features (pavement and curbs)
  - Determine the right-of-way and the various property lines within the subject corridor.
  - Identify all potential conflicts that could impact the walk (utilities, backslopes, etc.).
- Hydraulic modeling to identify potential issues and quantify the effectiveness of proposed improvements.
- Develop a design surface (contours) to allow cross sections to be cut.
- Develop a conceptual design
- Develop an estimated construction cost estimate.
- 30% review meeting with Metro
- Miscellaneous meeting with council staff.

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Final construction plans (Phase II) can be advanced as directed by Louisville Metro.

Phase II (Final Design)

- Final Plan development
- 90% Review meeting
- Delivery of bid plans
- Bid support

Our associated man-hour spreadsheet is attached for reference.

The effort will be invoiced using hourly rates against our current Metro annual contract. The estimated fee is \$15,520. **I would recommend using a Not- to-Exceed figure of \$16,000 for this work.** Charges exceeding this figure will need to have been prior approved by the City.

Please advise if you have any questions or need any additional information. We will delay starting until directed by your office.

Concerning schedule, we have ample capacity at the present time and can provide 30% review plans within four weeks of a notice to proceed. Once 30% comments have been received, we can provide final plans and documents within another three weeks.

We appreciate your continued confidence in our firm, and look forward to hearing from you.

Sincerely,

HDR Engineering, Inc.

Kelly R. Meyer, P.E., P.L.S.

KRM/mpd  
Attachment

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